

BABAYAN, V. O.

"Certain Biological Characteristics of Immature Wheat Seed."
Cand Biol Sci, Department of Biological Sci, Acad Sci Armenian SSR,
Yerevan, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions
(14)

BABAYAN, V.O.

Viability of unripe wheat seeds. Izv. AN Arm. SSR. Biol. i sel'khoz.
nauki 7 no.4:23-29 Ap '54. (MLRA 9:8)

1. Institut genetiki i selektsii rasteniyy AN Arm. SSR.
(Wheat) (Seeds) (Germination)

BABAYAN, V.O.

Transformation of winter wheat into spring wheat by sowing unripe
seeds. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 7 no. 10:11-19 0 '54.
(MLRA 9:8)

(Wheat)

BABAYAN, V.O., kand. biolog. nauk; AZATYAN, R.A.

Radiosensitivity of various corn forms. Vop. radiobiol. AN ARM. SSR
2:221-223 '61. (MIRA 18:4)

BABAYAN, V.O.; MURADYAN, L.A.

Some data on the setting of seeds in potatoes under different conditions. Izv.AN Arm. SSR. Biol. nauki 14 no.9:97-100 S '61.
(MIRA 14:9)

1. Institut zemledeliya Ministerstva sel'skogo khozyaystva
Armyanskoy SSR.

(ARMENIA--POTATO BREEDING)

BABAYAN, V.O.

Development of new forms in wheat grown from unripe seeds.
Agrobiologiya no.5:672-674 S-0'63. (MIRA 17:5)

1. Laboratoriya radiatsionnoy genetiki AN Armyanskoy SSR,
Yerevan.

L 27845-65 EWT(m) DIAAP
ACCESSION NR: AP5007517

S/0298/64/017/008/0093/0096

15
9

AUTHOR: Babayan, V. O.; Avakyan, D. C.; Azatyan, R. A.

TITLE: Radiation sensitivity of various corn varieties

SOURCE: AN ArmSSR. Izvestiya. ¹⁹Biologicheskiye nauki, v. 17, no. 8, 1964, 93-96

TOPIC TAGS: radiation plant effect, plant genetics

Abstract: After studying the yields and plant weight of corn crops from seed subjected to ionizing radiation (100, 500, and 700 r.), and after

radioreistance. Orig. art. has 2 tables.

ASSOCIATION: Laboratoriya radiatsionnoy genetiki AN ArmSSR (Laboratory of
Radiation Genetics, AN ArmSSR)

Card 1/2

L 27845-65

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JPRS

Card 2/2

BABAYAN, V.O.; AVAKYAN, D.O.; BABAYAN, R.S.; AYATYAN, R.A.

Effect of X rays on the germination of wheat seeds of embryonically
different age. Izv. AN Arm. SSR. Biol. nauki 17 no.12:13-17 D '64.
(MIRA 18:3)

1. Laboratoriya radiatsionnoy genetiki AN Armyanskoy SSR.

Shchegolev, V.V., Inst.; Medvedev, P.M., head, older, rank

Case-hardened steels and high-temperature cementation processes.

[Trudy] NIIPI No. 18/65-66 '69.

(MIRA 12:7)

(Steel-Metallurgy)

(Cementation (Metallurgy))

NAZAROVA, T.N., kand.tekhn.nauk; BABAYAN, V.V., inzh.; KACHUR, L.D., inzh.;
CHEUSOVA, Ye.Ya., inzh.

Increasing the contact strength of cog wheels by high-temperature
nitriding. Trakt. i sel'hoz mash. no.11:38-40 N '64.

(MIRA 18:1)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny
institut (for Babayan). 2. Lipetskiy traktorny zavod (for
Cheusova).

NAZAROVA, T.N., kand. tekhn. nauk; BABAYAN, V.V., inzh.; TORPANOVA,
G.A., kand. tekhn. nauk; KACHUR, L.D., inzh.

New 25KhNTTs case-hardened steel for the pistons of tractor
transmissions. Trakt. i sel'khoz mash. no.4:42-43 Ap '65.

(MIRA 18:5)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny
institut (for Nazarova, Babayan). 2. Tsentral'nyy nauchno-issledovatel'skiy
institut chernoy metallurgii imeni Bardina (for Torpanova).
3. Lipetskiy traktorny zavod (for Kachur).

BABAYAN, A. V.

Babayan, A. V. - "The Significance of Carbon Monoxide in the Iron Foundry Sections of Certain Leningrad Enterprises from the Point of View of Labor Hygiene." State Order of Lenin Inst for the Advanced Training of Physicians named S. M. Kirov. Chair of Occupational Diseases and Labor Hygiene. Leningrad, 1956 (Dissertation for the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

Ba bayang Z.V.

Distr: LELJ/LE2c

Elimination of carbon monoxide from foundry atmosphere. Z. V. Babayan. ²² *Environ. Protection* 1958. No. 2, 15-18. There is always some CO present in the atm. of foundries, its concn. being lower in floor-standing areas than in those where conveyor casting is used. However, the carbon monoxide content in blood of the workers employed in both processes is about the same, while chronic CO poisoning was observed among travelling crane operators in the same foundries. Means for lowering CO concentration during casting are suggested and tested.

TETEREVNIKOVA-BABAYAN, D.N.

Three new species of rust fungi found in the Armenian S.S.R.

Dokl. An Arm. SSR 9 no.2:75-79 '48.

(MLRA 9:10)

1. Yerevanskiy Gosudarstvennyy Universitet imeni V.M. Molotova,
Yerevan. Predstavleno A.L. Takhtadzhyanom.
(Armenia--Uredineae)

TETEREVNIKOVA-BABAYAN, D.N.

The Esca disease of the grapevine in the Armenian S.S.R. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 2 no.3:259-268 '49. (MLRA 9:8)

1. Institut vinodeliya i vinogradarstva Akademii nauk Armyanskoy SSR. (ARMENIA--GRAPES--DISEASES AND PESTS)

TETEREVNIKOVA-BABAYAN, D. N.

Teterevnikova-Babayan, D. N., Kechek, N. A., and Stepanian, T. G.
"Diseases of Alfalfa in Armenian SSR," Izvestiia Akademii
Nauk Armianskoi SSR, no. 3, 1950, pp. 227-240. 20 Br 4

SO: SIRA-Si-90-53, 15 DEC. 1953

TETEREVNIKOVA-BABAYAN, D. N.

Teterevnikova-Babayan, D. N. "Clover Diseases in Armenian SSR,"
Sbornik Nauchnykh Trudov, Armianskii Sel'skokhoziaistvennyi
Institut, no. 6, 1950, pp. 119-127. 20 Ar 5

SO: SIRA-Si-90-53, 15 DEC.1953

BARAYAN, D.N. - TEREVNIKOVA, D.N.

TEREVNIKOVA-BARAYAN, D.N.; SIMONYAN, S.A.

Diseases of subtropical crops in the Armenian S.S.R. *Izv. AN Arm. SSR. Biol. i sel'khoz. nauki.* 5 no.1:65-78 '52. (MLRA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudarstvennogo universiteta.

(Armenia--Fruit--Diseases and pest)

TETEREVNIKOVA-BABALIAN, D. N. (Co-author)

See: KECHEK, N. A.

TETEREVNIKOVA-BABALIAN, D. N. "Diseases of Alfalfa in Armenian SSR," 1950.

So: Sira Si - 1953, 15 December 1953

TETEREVNIKOVA-BABAYAN, D. N.

Teterevnikova-Babayan, D. N. "Resistance of Armenian Varieties of Grapevine to Oidium," Zashchita Rastenii, no. 2, 1935, pp. 97-103. 421 P942

SO: SIRA-SI-90-53, 15 DEC. 1953

TETEREVANKOVA-BABAYAN, D. N.

Teterevnikova-Babayan, D. N. "Observations on Species of Fusarium Attacking Autumn Sown Cereals," Zashchita Rastenii ot Vreditel'ei, vol. 6, no. 5-6, 1930, pp. 669-694. 421 D36

SO: SIRA-31-90-52, 15 DEC. 1953

IZMIR, MELIYA-DAKAR, A. A.

"Observations on the Biological Races of *Uromyces graminis* Male at Detskoi Selo in 1926-27," Bolezni Rastenii, Vestnik Otdela Fitopatologii Glavnogo Botanicheskogo Sada SSSR, vol. 17, 1927, pp. 35-51. 464.3 Z6

SO: JIMA, SI 90-53, 15 December 1953

TETEREVNKOVA-BABAYAN, D. N.

Teteravnkova-Babayan, D. N. "The Problem of the Causation of Scorch Injury by Fungicides," Bolezni Rastenii, Vestnik Otdela Fitopatologii Glavnogo Botanicheskogo Sada SSSR, vol. 19, no. 3-4, 1930, pp. 97-122. 464,8 Z6

SO: SIRA-S1-90-53, 15 DEC. 1953

TETEREVNIKOVA-BABYAN, D.N.; OGANYAN, E.A.; SIMONYAN, S.A.

~~Some diseases of fruit trees in the Armenian S.S.R.~~ Izv.AN Arm.
SSR.Biol.i sel'khoz.nauki 7 no.11:29-35 N '54 (MLBA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudarstvennogo universiteta imeni V.M. Molotova.
(Armenia--Fruit--Diseases and pests)

BABAYAN, Dar'ya Nikolayevna

[Diseases of potatoes in Armenia and its control] Bolezni kartofelia
v Armianskoi SSR i mery bor'by s nimi. Erevan, Erevanskii universitet,
1955. 51 p. (MIRA 10:12)

(Armenia--Potatoes--Diseases and pests)

TETEREVNILOVA-BABAYAN, D.N.; ANANYAN, A.A.; GASPARYAN, N.A.

Susceptibility of tomatoes to fusarium wilt and mosaic disease in the Armenian S.S.R. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki. 9 no. 4: 49-58 Ap '56. (MLRA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudarstvennogo universiteta imeni V.M. Molotova i Armyanskiy opornyy punkt po ovoshchevodstvu Vsesoyuznogo nauchno-issledovatel'skogo instituta konservnoy promyshlennosti.

(Armenia--Tomatoes--Diseases and pests)

(Tomato wilt)

(Mosaic disease)

TETREVNKOVA-BABAYAN, D.N.; SIMONYAN, S.A.

Powdery mildew of vine crops. Nauch. trudy Brev. un. 54 pt.1:
53-78 '56. (MLRA 10:4)
(Armenia--Mildew) (Vine crops--Diseases and pests)

BABAYAN, D. N.

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Doctor of Biological Sciences, Dept. of Protection of
Plants, Armenian Agricultural Institute.

Studies of a number of plant diseases and of
counter-measures.

YEROFEYEV, L.M., inzh.; TSAY, T.N., inzh.; BABAYANTS, A.A., inzh.;
KARAGOD, V.P., inzh.; MEDVEDEV, M.K., inzh.

Instruments developed by the Kuznetsk Scientific Research
Institute for the design and construction of mines in the
coal industry for determining rock movements and the intensity
of rock pressure. Trudy KuzNIIshakhtostroia no.1:80-84 '63.
(MIRA 17:8)

BABAYANTS, G.A.

Resistance of house flies to insecticides. Zdrav. Turk. 5 no.4:
38-41 J1-Ag '61. (MIRA 14:10)

1. Iz Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. -
dotsent Ye.S.Popova.
(DDT (INSECTICIDE)) (FLIES--EXTERMINATION)

KERBABAYEV, E.B.; TUROV, I.S.; SADOVSKIY, V.N.; MOLOCHEK, G.I.; KARAPETYAN, A.B.; BABAYANTS, G.A.

Use of aerosols in fighting carriers of cutaneous leishmaniasis.
Zdrav. Turk. 6 no.1:29-31 Ja-F '62. (MIRA 15:4)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta (dir. - prof. V.I.Vashkov) i Ashkhabad'skogo instituta epidemiologii i gigiyeny (dir. - dotsent Ye.S.Popova).
(DELHI BOIL) (MOTH FLIES--EXTERMINATION)
(SPRAYING AND DUSTING)

VASHKOV, V.I.; SHNAYDER, Ye.V.; BRIKMAN, L.I.; ZAKOLODKINA, V.I.; CHUBKOVA, A.I.; ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I.Sh.; ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P.Ya.; MARTINSON, M.E.; MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.; RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.Ye.; SOKOLOVA, M.Ye.; FOMICHEVA, V.S.; CHERNYSHOVA, V.A.; SHUMILOVA, T.V.

Sensitivity to DDT of houseflies in various climatic zones of the USSR. Zhur.mikrobiol., epid.i immun. 33 no.8:20-24 Ag '62.

(MIRA 15:10)

1. Iz TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta.

(FLIES---EXTERMINATION) (DDT)

VASHKOV, V.I.; SHAYDER, Ye.V.; ZAKOLODKINA, V.I.; BRIKMAN, L.I.; CHUEKOVA, A.I.
ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I. Sh.;
ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P. Ya.; MARTINSON, M.E.;
MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.;
RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.V.; SOKOLOVA, M.Ye.;
FONICHEVA, V.S.; CHERNYSHEVA, V.A.; SHUMILOVA, T.V.

Sensitivity of houseflies to chlorophos prior to its use.

Zh. mikrobiol. 40 no.7:3-7 J1'63

(MIRA 17:1)

TERENT'YEV, V. I.; BABAYANTS, G. M.; KARYAKIN, V. F.

Systems of underground mining of ferrous quartzites at the Kursk
Magnetic Anomaly. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch. i tekh.inform. no.10:3-8 '62. (MIRA 15:10)

(Kursk Magnetic Anomaly—Iron mines and mining)

BARON, L.I., prof., doktor tekhn. nauk; BABAYANTS, G.M., gornyy inzh.

Analysis of the practice of miners in the Kursk Magnetic Anomaly
in increasing the extracted finished fraction size. Varyv.
delo no.53/10:226-239 '63. (MIRA 16:8)

1. Institut gornogo dela im. A.A. Skochinskogo (for Baron).
2. Nauchno-issledovatel'skiy institut Kurskoy magnitnoy
anomalii (for Babayants).
(Kursk Magnetic Anomaly—Crushing machinery)

BABAYANTS, G.M., gornyy inzh.

Degree of accuracy in the determination of ore lumpiness by the
photoplanimetric method with a spot count. Gor.zhur. no.4:41-43
Ap '64. (MIRA 17:4)

1. NIIKMA, g. Gubkin.

BABAYANTS, I.A.

Increasing capacity and speed of production in the "Red Dawn" factory.
Shvein. prem. no.2:20 Mr-Apr '59. (MIRA 12:6)

1. Glavnyy inzhener fabriki "Krasnaya zarya."
(Tashkent---Clothing industry)

BABAYANTS, I.A.

High quality of production is the basic index of manufacture.

Shvein.prom. no.3:11-13 My-Je '62. (MIRA 15:6)

(Clothing industry--Quality control)

BABAYANTS, Israil Sergeyevich; POTAPOV, M.A., red.; VENTSEL', I.V.,
red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Technology of making windings from glass insulated copper
wire] Tekhnologiya namotki izdelii mednym provodom v stek-
liannoi izoliatsii. Leningrad, 1963. 16 p. (Leningradskii
dom nauchno-tekhnicheskoi propagandy. Obmen pereboym opy-
tom. Seriya: Pribory i elementy avtomatiki, no.4)

(MIRA 16:12)

(Electric insulators and insulation)
(Electric apparatus and appliances--Windings)

biohazard

SERGEYEV, A.A., red.; ANPILOGOV, I.M., red.; ASSONOV, V.A., red.; BABAYANTS, N.A., red.; BABOKIN, I.A., red.; BALAMUTOV, A.D., red.; BOGORODSKIY, N.N., red.; BOLOHENKO, D.N., red.; BUCHNEV, V.K., red.; VAKHMINTSEV, G.S., red.; VORONKOV, A.K., red.; GARKALENKO, K.I., red.; GORBATOV, P.Ye., red.; GOLOVLEV, V.Ya., red.; DOKUCHAYEV, M.M., red.; DUBNOV, L.V., red.; YEVTEYEV, A.D., red.; YEREMENKO, Ye.K., red.; ZENIN, N.I., red.; KRIVONOGOV, K.K., red.; KUPALOV-YAROPOLK, I.K., red.; MATSYUK, V.G., red.; NIKOLAYEV, S.I., red.; ONISHCHUK, K.N., red.; PETROV, K.P., red.; PILYUGIN, B.A., red.; PLATONOVA, A.A., red.; POLESIN, Ya.L., red.; POKROVSKIY, L.A., red.; POMETUN, D.Ye., red.; POLYUSHKIN, A.Kh., red.; REYKHNER, V.P., red.; SEDOV, N.A., red.; SIDORENKO, I.T., red.; FIDELEV, A.A., red.; CHAKHMAKHCHEV, A.G., red.; CHEMODUROV, M.Ya., red.; SHUMAKOV, A.A., red.; YAREMENKO, N.Ye., red.; PARTSEVSKIY, V.N., red. izd-va; ATTOPOVICH, M.K., tekhn. red.

[Standard safety regulations for blasting operations] Edinye pravila bezopasnosti pri vzryvnykh rabotakh. Izd. 2. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958. 318 p. (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru. (Mining engineering--Safety measures)

CA DABAYETS, R. A.

Protection of the atmosphere of cities. R. A. Babayants.
Gigiena i Sanit. 12, No. 11, 14-18 (1947); *Chem. Zentr.*
(Russian Zone Ed.) 1949, 1, 624. - The dust content of the
air of Leningrad and other large industrial cities of Russia
amounts to 0.25-8.44 mg./cu.m. The industrial gas
present in largest amt. is SO₂ (0.33 mg./cu.m.). According
to accepted standards, the aerosol content of the atm.
should not exceed 2.0 mg./cu.m. while the SO₂ concn.
should not exceed 0.05 mg./cu.m. in residential regions or
0.3 mg./cu.m. in industrial regions. M. G. Moore

BABAYANTS, R.A.

25192 Babayants, R.A. Znachenie, Sostoyanie i. Puti Uvelcheniya Zelenykh Masszhdeniy
Leningrada. Trudy Leningr. San-Gigien. Med. In-ta, T.I. 1949, c.41-48

SO: Letonis' No. 33, 1949

BABAYANTS, R. A.

37506 Sanitarnaya okhrana atmosfernogo vozdukh Promyshlennykh Gorodov. V. SB: XII
vsesoyuz S" yezd gigiyenistov, epidemiologov, mikrobiologov I Infektsionistov. T. I. M.
1949, S. 66-69

SO: Letopis' Zhurnal'nykh Statey Vol. 37, 1949

BABAYants, R.A.

23580

PO POVODU KRITERIYa VREDNOSTI V PROBLEME SANITARNOY OKhrANY
VODOYeMOV. PO POVODU STAT'I S.N. ChERKINSKOGO KRITERIY
VREDNOSTI V PROBLEME SANITARNOY OKhrANY VODOYeMOV V ZhURN.
GIGIYeNA I SANITARIYa, 1949. No. 3 . GIGIYeNA I SANITARIYa,
1949, No. 7, C. 6--10.

SO: LETOPIS' NO. 31, 1949.

BABAYANTS E. A. The dependence of respiratory diseases on air pollution in towns
Gigiyena i Sanitariya, Moscow 1949, 12 (3-11) Illus. 4

The relation between air pollution in Leningrad and incidence of respiratory diseases was studied. Incidences of tonsillitis, tuberculosis of lungs, pleurisy, pneumonia, bronchitis, and diseases of the pharynx and adenoids were analysed and compared with incidences of rheumatism and diseases of the digestive tract and cardiovascular system. The latter group of diseases were taken as controls. The incidence of the diseases in the residential part (free from industrial pollution of air) of the town was taken as a unit of comparison. Analysis showed that all the diseases in the first group are significantly commoner in the industrial part of the town. Thus tonsillitis occurs 2 to 3 times, bronchitis 3 to 5 times, pneumonia 2 to 3 times, pleurisy 3 to 4 times, and pharyngitis and adenoids 5 to 6 times more frequently in industrial than in residential areas. These findings should be further scrutinized by investigation of the influence of winds and the season of the year on the occurrence of the diseases. In the second group (rheumatism, diseases of the digestive tract and cardiovascular system) there was no significant relation between air pollution and the incidence of the diseases.

Cellis - (World Medical Abstracts)

So: Medical Microbiology & Hygiene Section IV, Vol. 3, No. 7-12

BABAYANTS, R.A.

The teaching of I.P.Pavlov; foundation of hygiene. Gig.Sanit.,
Moskva No.1:3-6 Jan 51. (GIML 20:5)

1. Corresponding Member of the Academy of Medical Sciences USSR.

BABAYANTS, R.A.

Purification of sewage in soil. Gig. sanit., Moskva no.12:3-8 Dec 1953.
(CLML 25:5)

~~BABAYANTS~~, Ruben Ambartsumovich, professor; MIN'OVICH, K.G., redaktor
BEL'CHIKOVA, Yu.S., tekhnicheskii redaktor

[Comparative rating of methods for laboratory determination
of sewage sludge] Sravnitel'naya otsenka metodov laboratornogo
opredeleniia ob'ema osadka stochnykh vod. Moskva, Gos. izd-vo
med. lit-ry, 1956. 119 p. (MLRA 10:4)
(Sewage--Analysis)

BABAYANTS, R.A., prof.

Method for teaching a course in general hygiene. Trudy LSGMI
36:21-27 '56. (MIRA 14:1)

1. Chlen-korrespondent AMN SSSR.
(HEALTH EDUCATION)

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

1090. THE COMPARATIVE EVALUATION OF THE LABORATORY METHODS
USED FOR DETERMINATION OF THE VOLUME OF THE SEWAGE
DEPOSIT (Russian text) - Babayants R. A. Moscow 1956 (126 pages,
The apparatus of Lysenko, the cone-shaped sedimentor of Imhof and the
cylindrical tubes of variable diameters and height used by some investigators for
determination of the volume of the sediment of the sewage waters were compared.
It was found that the best results are obtained with the Lysenko apparatus and Im-
hof's cone. The coefficients in the calculations when using the various apparatuses
were also determined. Data are given on the volume of the sediment and the dynam-
ics of sedimentation of all the sewage waters from the households of Leningrad.
The method is proposed for the assessment of the probable significance of the
suspended substances and of the volume of the sediment according to the accepted
norms of the use of water. (S)

BASHENIN, V.A., red.; ZHDANOV, D.A., prof., red.; ANDREYEVA-GALANINA, Ye.TS.,
prof., red.; ANICHKOV, S.V., prof., red.; BABAYANTS, E.A., prof.,
red.; KLIONSKIY, Ye.Ye., prof., red.; SMIRNOV, A.V., prof.,
zasluzhennyy deyatel' nauki, red.; TIKHOMIROV, P.Ye., prof., red.;
UDINTSEV, G.N., prof., red.; TSINZERLING, V.D., prof., red.;
SHCHEMLKUNOV, S.I., prof., red.; GESSSEN, A.I., dots., red.

[Instructions on conducting laboratory and field work for a course
in epidemiology] Metodicheskie ukazaniya k prakticheskim zaniatiyam
studentov po kursu epidemiologii. Moskva, Gos. Izd-vo med. lit-ry,
1956. 189 p. (Leningrad. Sanitarno-gigienicheskii meditsinskii
institut. Trudy, vol.38). (MIRA 11:4)

1. Zaveduyushchiy kafedroy epidemiologii Leningradskogo sanitarno-
gigienicheskogo meditsinskogo instituta (for Bashenin). 2. Chlen-
korrespondent AMN SSSR (for Zhdanov, Babayants, TSinzerling,
Shchemlknov). 3. Deystvitel'nyy chlen AMN SSSR (for Anichkov).

4. Chlen-korrespondent AMN SSSR i AN KazSSR (for Udintsev).

(EPIDEMIOLOGY--STUDY AND TEACHING) (MIRA 11:4)

BABAYANTS, R.A., professor; BATMANOVA, O.Ya., kand.med.nauk; VOLKOVA, N.V.,
kand.med.nauk; KIYAMOV, N.V., kand.med.nauk; LYKOVA, A.S., kand.
med.nauk; MASOL'NIKOVA, T.K., kand.med.nauk; RUDEYKO, V.A., kand.
med.nauk; TOMILINA, K.A., kand.med.nauk; SHISTOVSKIY, S.P., kand.
med.nauk; KIRPICHEV, M.P., sanitarnyy vrach; MAKHINENKO, A.I.,
sanitarnyy vrach; OSHCHEPKOV, A.A., sanitarnyy vrach; PETROV, A.M.,
sanitarnyy vrach; ROSHAL', M.A., sanitarnyy vrach; SHEPELIN, O.P.,
sanitarnyy vrach

Sewage irrigation of fields and sanitation of natural waters. Gig.
i san. 22 no.9:64-67 5 '57. (MIRA 10:12)

1. Zaveduyushchiy kafedroy Obshchey Gigiyeny Leningradskogo
sanitarno-gigiyenicheskogo meditsinskogo instituta, chlen-
korrespondent AMN SSSR (for Babayants)

(WATER SUPPLY WATER POLLUTION

sanitary protection of water reservoirs in use of sewage
water for field irrigation)

(IRRIGATION

same)

BABAYANTS, Ruben Ambartsumovich,; GESSEN, A.I., red.; KHARASH, G.A., tekhn. red.

[Agricultural utilization and composting of municipal refuse;
experimental research] Pochvennaia mineralizatsiia gorodskikh
otbrosov i ikh sel'skokhoziaistvennoe ispol'zovanie; eksperimental'noe
issledovanie. [Leningrad] Gos. izd-vo med. lit-ry, Leningr.
otd-nie, 1958. 230 p. (MIRA 11:11)

(Compost)

(Refuse and refuse disposal)

BABAYANTS, R.A., prof.

Hygienic studies on environmental factors by means of physiological and clinical methods. [with summary in English]. Trudy ISGMI 44: 24-42 '58 (MIRA 11:12)

1. Zaveduyushchiy kafedroy obshchey gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, chlen-korrespondent AMN SSSR.

(HYGIENE,

hyg. research on factors of external environment
by physiol. & cling. methods (Rus))

(ENVIRONMENT,

same (Rus))

REMYAKTS, R. A.

"Hygienic Normalization in the Field of Sanitary protection of
Soil in Populated Places.

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

... .. A.

"Experience in utilizing hygienic methods in the
hygienic study of certain environmental factors."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

BABAYANTS, P.A., prof.

Effect of city air pollution on the health of the public. Vest. AMN
SSSR 14 no.12:3-12 '59. (MIRA 13:4)

1. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut.
Chlen-korrespondent AMN SSSR.
(AIR POLLUTION eff. inj.)

BABAYANTS, R.A., prof.

Long-term influence of microfactors in the external environment
on health. Trudy LSGMI no.585-12 '60. (MIRA 14:11)
(MAN--INFLUENCE OF ENVIRONMENT)

BABAYANTS, R.A., prof.

Contemporary problems in the sanitary protection of the environment.
Vest. AMN SSSR 15 no.7:15-21 '60. (MIRA 13:11)

1. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut.
Chlen-korrespondent AMN SSSR.
(SANITATION)

IVANOV, A.Ya., prof., otv.red.; AGRANOVSKIY, Z.M., prof., red.;
 ANDREYEVA-GALANINA, Ye.TS., prof., red.; ANICHKOV, S.V., prof.,
 red.; BABAYANTS, R.A., prof., red.; BASHENIN, V.A., prof., red.;
 GUTKIN, A.Ya., prof., red.; KAMYSHANOV, A.F., dotsent, red.;
 KLIONSKIY, Ye.Ye., prof., red.; RYSS, S.M., prof., red.;
 SMIRNOV, A.V., prof., zasluzhennyy deyatel' nauki, red.;
 TIKHOMIROV, P.Ye., prof., red.; CHISTOVICH, G.N., prof., red.

[New informative material on the methodology for sanitation of
 the environment, and the prevention, diagnosis and treatment of
 some diseases; results of research at the Leningrad Medical
 Institute of Sanitation and Hygiene to assist in the practice of
 public health] Novye informatsionnye material po metodike ozdorovleniia
 vneshnei sredy, preduprezhdeniiu, diagnostike i lecheniiu nekotorykh
 zabolevani; rezul'taty nauchnykh issledovani LSGMI v pomoshch'
 praktike zdravookhraneniia. Leningrad, 1961. 105 p. (Leningrad.
 Sanitarno-gigienicheskii meditsinskii institut. Trudy, vol.73).
 (MIRA 17:3)

1. Deystvitel'nyy chlen AMN SSSR (for Anichkov). 2. Chleny-
 korrespondenty AMN SSSR (for Babayants, Ryss).

BABAYANTS, R.S.; IL'INA, A.V.

Atypical amyloidosis cutis. Vest. ven. i derm. no.3:51-52 My-Je '54.
(MLRA 7:8)

1. Iz Moskovskogo oblastnogo klinicheskogo instituta.
(SKIN--DISEASES)

BABAYANTS, R.S. (Moskva)

Fungus diseases of the skin, their prevention and therapy. Fel'd.
i akush. no.10:22-27 0 '54. (MLRA 7:11)

(SKIN, diseases,
fungus dis., prev. & ther.)
(FUNGUS DISEASES,
skin, prev. & ther.)

BABAYANTS, R. S.

BABAYANTS, R. S.

"A Test of the Prophylaxis of Suppurative Diseases of the Skin and the Subcutaneous Cellular Tissue By Means of Peat Preparations." Cand Med Sci, Central Inst for the Advanced Training of Physicians, 30 Nov 54.

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

BABAYANTS, R.S.; BLAGOVESHCHENSKAYA, V.V.; VERGILESOVA, O.S.; VISSONOV, Yu.V.;
VYALOVA, N.A.; GLAZUNOV, I.S.; DRUTMAN, R.D.; KLEMPARSKAYA, N.N.;
KOTOVA, E.S.; KURSHAKOV, N.A., prof.; LAR.CHEVA, L.P.; LYSKOVA, M.N.;
MALYSHEVA, M.S.; PETUSHKOV, V.N.; RYNKOVA, N.N.; SOKOLOVA, I.I.;
STUDENIKINA, L.A.; CHUSOVA, V.N.; SHESTIKHINA, O.N.; SHULYATIKOVA,
A.Ya.; SHTUKKENBERG, Yu.M.; BARANOVA, Ye.F., red.

[Acute radiation lesion in man] Ostraia radiatsionnaia travma
u cheloveka. Moskva, Meditsina, 1965. 313 p.

(MIRA 18:9)

1. Chlen-korrespondent AMN SSSR (for Kurshakov).

BABAYANTS, S.

Comradely mutual assistance of Soviet and Czechoslovak machine
builders. Sots.trud.no.3:99-104 Mr '56. (MLBA 9:7)

1. Predsedatel' Tsentral'nogo komiteta profsoyuza rabochikh machino-
stroyeniya.
(Machinery industry) (Czechoslovakia--Machinery industry)

BABAYANTS, S.

Common cause. Pozh.delo 6 no.7:14-15 J1 '60. (MIRA 13'6)

1. Direktor Kuntsevskogo igol'nogo zavoda imeni Kommunisticheskogo
internatsionala molodezhi.

(Factories--Fire and fire prevention)

BADAYANTS, S.

From the mining of the area to the Party Government. (1954).
to the Party Government. (1954).
(~~IRKUTSK PROVINCE~~ MINES AND MINERAL RESOURCES—HYGIENIC ASPECTS)

DEDINETS, Ye.; BABAYANTS, S.

Work of activists. Okhr.truda i sots.strakh. 4 no.11:22 N '61.
(MIRA 14:12)
(Perm Province--Industrial safety)

S/169/62/000/007/017/149
D228/D307

AUTHORS: Babayan, S. P. and Zavarzin, G. N.

TITLE: Application of geophysical methods when geologically surveying enclosed areas on a scale of 1:200,000

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 19, abstract 7A123 (Razvedka i okhrana neдр, no. 8, 1961, 31-36)

TEXT: A complex of geophysical methods was applied to increase the effectiveness of geologic surveying (scale of 1:200,000) on the eastern slope of the Turgayskiy Trough, where almost all the area is covered by thick loose Meso-Cenozoic deposits. Electric surveying by the method of vertical electric sounding was carried out in order to determine the thickness of the Meso-Cenozoic deposits and their lithologic separation, and also to study the relief of Paleozoic rocks and map them. Gravity surveying was applied to map the Paleozoic basement structures, and magnetic surveying was employed to separate the basement rocks lithologically. It was established

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Application of geophysical ...

S/169/62/000/007/017/149
D228/D307

that against the background of the basement's generally gentle westwards subsidence there are local depressions and rises. It was established from geophysical data that Lower Paleozoic rocks, forming the core of the Dzharkainagachskiy Anticlinorium, have a north-easterly strike; further to the south their strike is close to meridional. Previously known tectonic elements were defined more precisely, and a new structure -- the Karyn-Saldinskaya Trough -- was exposed. A magnetic anomaly with an intensity of 1000 γ was fixed in the section's north-west part; this was confirmed by gravimetric data. The anomaly is presumed to be due to a deep-lying intrusion of basic or ultrabasic composition. [Abstracter's note: Complete translation.]

Card 2/2

BABAYANTS, S.P.; ZAVARZIN, G.N.

Using geophysical methods to search for kazakhstan Mesozoic bauxites.
Razved. i okh. nedr 28 no.2:28-34 F '62. (MIRA 15:3)

1. Iliyskaya geofizicheskaya ekspeditsiya.
(Kazakhstan--Bauxite) (Prospecting--Geophysical methods)

S/169/63/000/002/094/127
D263/D307

AUTHORS: Urazayev, B. M., Babayants, S. P., Glushkov, M. I.,
Al'mukhanbetov, D., Koristashevskaya, T. I., Popov,
A. A., Antonenko, A. N., Kolik, A. L., Kotlyarov,
A. M., Kylbayev, P., Gul'nitskiy, V. L. and Tsare-
gradskiy, V. A.

TITLE: Geological and tectonic structure of the Dzhezkazgan-
Sarysuyskiy region in the light of existing geophy-
sical data, results and further directions of work

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 17, ab-
stract 2D99 (In collection: Bol'shoy Dzhezkazgan. Ge-
ol. i metallogeniya. Alma-Ata AN KazSSR, 1961, 82-100)

TEXT: Geophysical work was carried out in the above region with
other regional investigations, to discover areas promising for the
prospecting for copper and other useful minerals. The geological
and tectonic structure of the region is complex. Copper deposits
are associated with local folded structures of second and higher
Card 1/3

Geological and tectonic ...

S/169/63/000/002/094/127
D263/D307

orders, complicated by disjunctive disturbances, and lie in the gray sandstones of the Dzhezkazgan beds. Geophysical investigations, begun in 1955, make use of all methods. In spite of the difficulty of geological interpretation of geophysical data, it was possible to propose a structural-tectonic structure for the region. Three structural stages were marked out, 5 geologically distinct territories were resolved, and 3 main submeridional structures were discovered. A series of intrusive massifs was also found by gravimetric and magnetic explorations, which do not emerge on the surface of the erosion shear, together with a number of large scale tearing disturbances and fractures. Deep seismic soundings provided a picture of the course of the surface of Lower Paleozoic basement and of deeper boundaries. Electric exploration allowed a resolution of the Dzhezkazgan strata and demarkation of several salt domes. Owing to widespread occurrence of presumably salt dome structures and to the favorable section of the Upper Devonian and Lower Carboniferous, the Dzhezkazgan-Saryyskiy region may be regarded as a potential oil and gas area. From the results of combined geophysical works, it was possible to mark out regions which

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Geological and tectonic ...

S/169/63/000/002/094/127
D263/D307

are perspective for copper mineralization, among these the western border of the anticline. / Abstracter's note: Complete translation. /

Card 3/3

BABAYANTS, Ye.S.

Anatomy, histology, and histogenesis of valves in the umbilical vein. Arkh. pat., Moskva 14 no.3:73-84 May-June 1952. (CML 23:2)

1. Of the Department of Forensic Medicine (Head -- Doctor Medical Sciences Ye. S. Babayants), North-Ossetian Medical Institute, Dzaudzhikau.

BABAYANTS, Ye. S.

So-called "valvulae hobokeni" and their functional significance.
Arkhn.pat. 16 no.2:52-53 Ap-Je '54. (MLRA 7:5)

1. Iz kafedry sudebnoy meditsiny (zav.prof.E.S.Babayants) Severo-Osetinskogo gosudarstvennogo meditsinskogo instituta.
(UMBILICUS, blood supply,
*Hoboken's valve)

Babayev, A

Ashkhabad (Geograficheskiy ocherk) (by) A. Babayev

(1) Z. Freykin. Ashkhabad, Turkmenskoye Gos. Izd-vo,
1957

104 p. illus., maps, plans, tables. 21 cm.

OKSMAN, Ya.B.; BABAYEV, A.; BOGUSH, G.; DOLINA, Ye.; KOVYNEV, B.; MIRNYI, G.;
RUBEO, Stelio (Italiya); SING, Ramkhandr (Indiya); SOMOV, Yu.; KHARSH,
D'yerd' (Vengriya); YUR'YEV, N.; YANEV, Kirill (Bolgariya); LAPIDUS,
M.A., red.; BALLOD, A.I., tekhn.red.

[Foreign visitors on Soviet agriculture; impressions of participants
in the Sixth World Festival of Youth and Students] Zarubezhnye
gosti o sel'skom khoziaistve SSSR; vpechatleniia uchastnikov VI
Vsemirnogo festivalia molodezhi i studentov. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1958. 239 p. (MIRA 12:4)
(Agriculture)

BABAYEV, A.

The resistance of electric wiring insulation and storage batteries in
tanks . No 5. Tankist, No 12, 1948.

BABAYEV, A.

Ultrashort wave battery receiver. Radio no.11:28-29 N '56.
(Radio--Receivers and reception) (MLRA 9:12)

BABAYEV, A.

"On the Phage Typing of Typhoid and Paratyphoid Strains and Their Diagnostic and Epidemiological Significance," a report given at the first republic scientific-practical conference of physician-bacteriologists of the Scientific Research Institute of Epidemiology, Microbiology, and Hygiene of the Ministry of Health Azerbaydzhan SSSR held in Baku, 25 Apr 56.

SUM: 1360 p. 239

BABAYEV, A., kand.tekhn.nauk, prepodavatel'

Asynchronous motor for low-capacity electric rudder drives.

Mor.flot 20 no.10:21-23 0'60.

(MIRA 13:10)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche.
(Electric motors, induction) (Steering gear)

BABAYEV, A.; SAKHATOV, A.

Types of conditions for forest growth in sands of the second-order zone of the Kara Kum Canal. Izv. AN Turk. SSR. Ser. biol. nauk no. 5: 18-25 '61. (MIRA 14:12)

1. Institut pochvovedeniya i osvoyeniya peskov AN Turkmenskoy SSR. (KARA KUM CANAL REGION--AFFORESTATION)

BARAYEV, A., inzhener-polkovnik

Dry-charged batteries. Tekh. i vooruzh. no.2:50-51 F '64.
(MIRA 17:9)

MAKSIMYCHEVA, Z.T.; BABAYEV, A.

Quantitative determination of cadmium as fluoborates of cadmium
hexamine and tetramine. Zav.lab. 30 no.3:273-274 '64.
(MIRA 17:4)

1. Tashkentskiy gosudarstvennyy universitet.

BABAYEV, A.

Ninth All-Union Conference on Aerial Photography. Izv. AN Turk.
SSR. Ser. biol. nauk no. 4: 97-98 '65. (MIRA 18:9)

1. Institut pustyn' AN Turkmenskoy SSR.

BABAYEV, A.

Effective coefficient of recombination in the ionospheric F₂
layer. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol.nauk
no.6:111-112 '63. (MIRA 18:1)

1. Fiziko-tekhnicheskoy institut AN Turkmenskoy SSR.

BABAYEV, A.A.

Radioactivity of mineral waters in some springs of southern Daghestan.
Trudy Geol.inst.Dag.fil. AN SSSR 2:256-259 '60. (MIRA 15:12)
(Daghestan—Mineral waters—Radioactive properties)

GUSEYNOV, A.I.; BABAYEV, A.A.

Differentiability and complete continuity of a nonlinear singular
integral operator with a Cauchy nucleus. Uch.zap.AGU no.3:3-15 '58.
(Operators (Mathematics)) (MIRA 12:1)

BABAYEV, A.A.

Investigation of points of bifurcation of a class of nonlinear
singular integral equations. Dokl.AN Azerb.SSR 15 no.8:
647-652 '58. (MIRA 13:1)
(Integral equations)

BABAYEV, A. A., Cand Phys-Math Sci -- (diss) "Investigation of non-linear singular integral equations." Baku, 1960. 9 pp, (Committee of Higher and Secondary Specialist Education, Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ in S. M. Kirov), 100 copies, price not given, (KL, 17-60, 138)

16.3000

16.460²⁵⁰⁰²

S/044/61/000/003/003/014
C111/C333

AUTHOR:

Babayev, A. A.

TITLE:

Application of topological methods to the solution of
a nonlinear Hilbert boundary value problem

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 3, 1961, 20, ab-
stract 3B79. (Uch. zan. Azerb. un-t. Fiz.-matem. i
Khim. ser., 1959, Nr. 5, 23-32)

TEXT: The problem is to find a function $f(z) = u(x,y) + iv(x,y)$ which
is analytic in the unit circle and which satisfies on the boundary
the condition (problem T_λ):

$$u^{(n)}(i) = \sum_{p=0}^{n-1} \left[\int_{-\pi}^{\pi} K_p(t,s) u^{(p)}(s) ds + \right. \\ \left. + \int_{-\pi}^{\pi} H_p(t,s) v^{(p)}(s) ds \right] + \lambda \phi \left[t, u(t), \dots, u^{(n)}(t) \right. \\ \left. v(t), \dots, v^{(n)}(t) \right], \quad (1)$$

$$u(-\pi) = \dots = u^{(n-1)}(-\pi) = 0, \quad v(0,0) = 0.$$

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Application of topological²⁵⁰⁰² methods ... S/044/61/000/003/003/014
C111/C333

Assume that the kernels $K_p(t,s)$ and $H_p(t,s)$ are measurable in t and s and summable in the square, while the function

$$\phi[t, u_1, \dots, u_{n+1}, v_1, \dots, v_{n+1}] \quad (-\pi \leq t \leq +\pi, -\infty < u_i, v_i < +\infty)$$

is measurable in t , for almost all t continuous in $u_1, \dots, v_{n+1}$ and $\phi[t, 0, \dots, 0] \in L_2[-\pi, \pi]$. By the transformation $u^{(n)}(t) = z(t)$ the problem is reduced to the integral equation in the space $L_2[-\pi, \pi]$

$$z = Az + \lambda \phi z \quad (2)$$

where A is a completely continuous linear operator, ϕ -- nonlinear operator satisfying the Lipschitz condition. The author uses topological methods of M. A. Krasnosel'skiy (RZhMat, 1957, 3310K). Fundamental results: 1.) If 1 is no eigenvalue of A and if $|\lambda|$ is sufficiently small, then for an arbitrary R the problem possesses at least one.

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25002 S/044/61/000/003/003/014
 Application of topological methods ... C111/C333
 solution with $\|z\| < R$. 2.) If $\phi[x, 0, \dots, 0] = 0$, if μ_0 is a
 characteristic number of odd multiplicity of A , and if $|\lambda|$ is suffi-
 ciently small, then μ_0 is bifurcation point of the problem T_λ and
 to it there corresponds a continuous branch of eigenvectors starting
 in the origin and going at infinity. Bounds for λ which guarantee
 the correctness of these results are given. These limits depend on
 the operators A , ϕ and on the number R in the first case and on μ_0
 in the second case. A number of stronger results are given in the
 case, where the right hand side of (i) does not depend on $u^{(n)}$ and $v^{(n)}$.
 There are misprints.

[Abstracter's note: Complete translation.]

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BABAYEV, A.A.

Structure of a certain nonlinear operator and its application.

Uch. zap. AGU. Ser. fiz.-mat. i khim. nauk no.4:13-16 '61.

(MIRA 16:6)

(Operators (Mathematics))

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S/058/62/000/008/078/134
A061/A101

AUTHOR: Babayev, A. A.

TITLE: Change of the thermoelectromotive force of a tellurium single crystal in a magnetic field

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 29, abstract 8E211
(Uch. zap. Dagestansk. un-t", 1961, v. 7, no. 1, 75 - 81)

TEXT: The longitudinal Nernst-Ettingshausen effect has been measured on Te specimens for different crystallographic directions in the 80 - 500°K range. In a magnetic field of ~20 koe, magnitude and sign of thermo-emf change vary with temperature. It is pointed out that the character of thermo-emf change is related to the form of the material conductivity and to the sign of the carriers. ✓B

L. Berger

[Abstracter's note: Complete translation]

Card 1/1

L 13241-63

EWT(d)/FCG(w)/BDS AFFTC IJP(C)
S/044/63/000/003/030/047

52

AUTHOR: Babayev, A. A.

TITLE: On the structure of a nonlinear operator and its application

PERIODICAL: Referativnyi Zhurnal, Matematika, No. 3, 1963, 66, Abstract 3B300
(Uch. Zap. Azerb. Un-t, Ser. Fiz. Matem. Khim. Nauk, no. 4, 1961, 13-16)

TEXT: The author investigates the solvability of the nonlinear integral equation

$$u(x) = -\frac{\lambda}{2\pi} \int_{-\pi}^{\pi} F[u(s)] \operatorname{ctg} \frac{s-x}{2} ds + f(x). \quad (1)$$

First, a study is made of the properties of the operator

$$Fu = -\frac{\lambda}{2} \int_{-\pi}^{\pi} F[u(s)] \operatorname{ctg} \frac{s-x}{2} ds$$

in an H_8 space with the norm

Card 1/2

structure of a nonlinear

$$\|u(x)\|_{H_2} = \sup \left\{ \max |u(x)|, \sup_{0 < \delta < 1} \frac{|u(x_2) - u(x_1)|}{|x_2 - x_1|^\delta} \right\}.$$

S/044/63/000/003/030/47

The following theorem is proved: In order that the operator F will act in a bounded manner from each sphere $S_r \in H_S$, it is necessary and sufficient that for each $0 < r < R \leq \infty$ there must exist a number $M(r) > 0$ for which and $-r \leq u, v \leq r$

$$|F(u) - F(v)| \leq M(r)(u - v).$$

On the strength of this theorem and certain of its corollaries the author derives the following basic result. If the operator F satisfies condition (2), then equation (1) is solvable by successive approximations for a sufficiently small parameter and a sufficiently small $f(x)$

[Abstracter's note: Complete translation.]

rd 2/2